SAMSUNG

Samsung Series 9 QE55S90CATXXU TV 139.7 cm (55") 4K Ultra HD Smart TV Wi-Fi Black

Brand : Samsung

Product family: Series 9

Product code:
QE55S90CATXXU

Product name :
QE55S90CATXXU

- OLED: Pure blacks and infinite contrast meets vibrant colours from Quantum Dot
- Quantum HDR OLED: Powerful HDR OLED brightness for lifelike picture detail
- Neural Quantum Processor 4K: Our most powerful 4K AI processor upgrades content to 4K resolution
- Anti-Reflection Screen: Experience the brilliant picture from every angle, with minimal distracting glare
- Dolby Atmos®: Virtual surround sound with Dolby Atmos Technology
2023 55" S90C OLED 4K HDR Smart TV
Samsung Series 9 QE55S90CATXXU. Display diagonal: 139.7 cm (55"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: OLED, Screen shape: Flat. Smart TV. Motion interpolation technology: Motion Xcelerator Turbo Pro, Native aspect ratio: 16:9. Digital signal format system: DVB-C, DVB-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black

Display	
Display diagonal *	139.7 cm (55")
HD type *	4K Ultra HD
Display technology *	OLED
Screen shape *	Flat
Native aspect ratio *	16:9
Motion interpolation technology *	Motion Xcelerator Turbo Pro
Native refresh rate	120 Hz
Display refresh rates supported	144 Hz
Display number of colours	1.07 billion colours
Display resolution *	3840 x 2160 pixels
Display diagonal (metric)	139 cm
Anti-glare screen	✔

TV tuner	
Tuner type *	Analog & digital
Digital signal format system *	DVB-C, DVB-S2, DVB-T2
Number of tuners	2 tuner(s)

Smart TV	
Smart TV *	✔
Internet TV *	✔
Operating system installed *	Tizen
Timeshift	✔
Screen mirroring	✔
Sound mirroring	✔
Hybrid Broadcast Broadband TV (HbbTV)	✔
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.3
Smart modes	Filmmaker, Game
Far-field voice interaction	✔
TV initiate mirroring	✔
Video apps	Samsung TV Plus

Performance	
Noise reduction *	✔
High Dynamic Range (HDR) supported *	✔
AMD FreeSync	✔
AMD FreeSync type	FreeSync Premium
Game features	Mini Map Zoom, Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Motion Plus, Super Ultra Wide Game View
4K Ultra HD upscaling	✔
SmartThings app support	✔
Wireless Dex support	✔
Multi View	✔
MBR support	✔
USB recording	✘

Ports & interfaces	
HDMI version	2.1
PC in (D-Sub) *	✘
Ethernet LAN (RJ-45) ports	1
USB 2.0 ports quantity *	2
Digital audio optical out	1
RF ports quantity	2
Common interface (CI) *	✔
Common interface Plus (CI+) *	✔
Common interface Plus (CI+) version	1.4
HDMI ports quantity *	4
Consumer Electronics Control (CEC)	Anynet+
AC (power) in	✔

Management features	
Control type	Wireless
Voice guide	✔
Electronic Programme Guide (EPG)	✔

Audio

Number of speakers *	3
RMS rated power *	40 W
Audio output channels	2.1 channels
Built-in subwoofer	✔
Audio decoders	Dolby Atmos, Dolby MS12
Audio pre-selection descriptor	✔
Q-Symphony	✔
Music wall	✔
Active voice amplifier (AVA)	✔
Adaptive sound+	✔
Multiroom	✔
Multiroom audio technology	Samsung Multiroom Link

Network

Wi-Fi *	✔
Wi-Fi standards	Wi-Fi 5 (802.11ac)
Bluetooth *	✔
Bluetooth version	5.2
Ethernet LAN *	✔
Web browser	✔

Design

Product colour *	Black
VESA mounting *	✔
Panel mounting interface	300 x 200 mm
Introduction year	2023
Bezel type	4 Bezel-less
Stand type	Center stand
Stand colour	Black

Performance

High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG), Quantum HDR
Game mode	✔
Teletext function	✔
Subtitles function	✔
Ambient light sensor	✔
Ambient mode	Ambient Mode+
Eco sensor	✔
Brightness detection	✔
Colour detection	✔
AI Upscale	✔
TV key support	✔
Picture processing technology	Neo Quantum Processor 4K, Samsung Real Depth Enhancer

Management features

On Screen Display (OSD)	✔
Number of OSD languages	28
Picture-in-Picture	✔
Auto power off	✔
Works with Samsung Bixby	✔
Universal Browse & Play	✔

Power

Power consumption (typical) *	82 W
Power consumption (standby) *	0.5 W
Power consumption (max)	310 W
Energy efficiency class (SDR) *	G
Energy efficiency class (HDR) *	G
Energy consumption (SDR) per 1000 hours *	82 kWh
Energy consumption (HDR) per 1000 hours *	134 kWh
AC input voltage	220 - 240 V
AC input frequency	50 - 60 Hz
Energy saving mode	✔
Energy efficiency scale	A to G

Brand-specific features

Samsung technologies (AV/TV)	Motion Xcelerator Turbo Plus

Weight & dimensions

Width (with stand)	1225.4 mm
Depth (with stand)	265.9 mm
Height (with stand)	773.5 mm
Weight (with stand)	18.2 kg
Width (without stand)	1225.4 mm
Depth (without stand)	39.9 mm
Height (without stand)	708.6 mm
Weight (without stand)	16.2 kg
Stand width	36.6 cm
Stand depth	26.6 cm

Packaging data

Package width	1385 mm
Package depth	153 mm
Package height	833 mm
Package weight	24.4 kg
Package type	Box

Packaging content

Cables included	AC
Remote control included	✔
Remote control type	TM2360E (UK + TM1240A)
E-manual	✔

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